SEP 1 2 2005

TTY. DOCKET NO. 533.1030002/SRL/SEZ

APPLICATION NO. 09/722,441

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

APPLICANT Hanke et al.

FILING DATE November 28, 2000

GROUP 1645

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		τ		U.s.	PATENT DOCUMENTS			
EXAMINER INITIAL	1	DOCUM	ENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
ALL	AA1	2,979		04/11/1961	Kinoshita et al.	195	47	11/04/1958
71/	AB1	3,565		02/23/1971	Ishida et al.	260	527	03/20/1967
 	AC1	3,687		08/29/1972	Kurihara et al.	195 .	29	06/08/1970
	AD1	3,700		10/24/1972	Nakayama et al.	195	29	08/06/1968
	AE1	3,707		12/26/1972	Shiio et al.	195	29	03/09/1970
	AF1	3,708		01/02/1973	Nakayama et al.	195	29	07/13/1970
	AG1	3,825		07/23/1974	Kubota et al.	195	29	10/02/1973
	AH1	4,169		10/02/1979	Nakayama et al.	435	115	07/11/1977
	AI1	4,560		12/24/1985	Miwa et al.	435	115	05/07/1981
		4,861		08/29/1989	Sano et al.	435	252.32	06/01/1987
	AJ1 AK1	4,954		09/04/1990	Katsumata et al.	435 -	115	05/25/1989
	AKI	4,73	,441		GN PATENT DOCUMENTS			
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EXAMINER INITIAL		DOCUM	ENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
111				47/40/4007	Funna			Yes No
Ah.	AL1			12/10/1997	Europe			Yes
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	1,21,							Yes X No
	AN1	MO 00	0/63388	10/26/2000	WIPO	 	+	Yes
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	AUI	 " "				1		Yes
<u></u>	AP1	EP 0	754 756 A1	01/22/1997	Europe		<u> </u>	, No
			OTHER	(Including Author	r, Title, Date, Pertinent Pages,	etc.)		
SK	AR	1	alutamicum	alegmid nSR1: ev	i., "The DNA sequence and minimal vidence of a common ancestry with 759, Cambridge University Press (prasilius i	f the <i>Coryne</i> rom <i>C. dipht</i>	bacterium heriae,¤ J.
AK	AS	Ben-Samoun, K. et al., "Positively regulated expression of the <i>Escherichia coli araBAD</i> promoter in <i>Corynebacterium glutamicum</i> ," <i>FEMS Microbiol. Lett. 174</i> :125-130, Federation of European Microbiological Societies and Elsevier Science B.V. (May 1999).						
SK	AT .	Bowie, J.U. et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions," Science 247:1306-1310, American Association for the Advancement of Science (1990).						
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APPLICANT Hanke et al.		
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INITIAL		143			12/25/1990	Sano et al.	435	;	108	09/25/1989	
A	K	AA2	4,980		08/17/1993	Katsumata et al.	43	5	106	02/02/1990	
		AB2	5,236		09/07/1993	Schendel et al.	530	5	23.2	04/12/1991	
		AC2	5,243		06/20/1995	Flickinger et al.	536	5	23.2	05/10/1991	
	1	AD2	5,426		05/20/1997	Harkki et al.	43		105	01/03/1995	
	-	AE2	5,631		07/22/1997	Ishii et al.	43		115	02/03/1995	
	 	AF2	5,650		08/26/1997	Sano et al.	43		115	07/01/1994	
		AG2	5,661		11/18/1997	Sugimoto et al.	43		115	10/27/1995	
	 	AH2	5,688		12/02/1997	Zupancic et al.	53		24.1	06/15/1993	
	ļ	AI2	5,693			Katsumata et al.	43		69.1	06/03/1996	
	ļ,—-	AJZ	5,700		12/23/1997	Sreekrishna et al.	43		69.1	05/03/1995	
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				OTHER (Including Author	r, Title, Date, Pertinent Pages,	etc.	.)			
S	K	AR	2	Brutlag, D. Biosci. 6:2	L. et al., "Impr 37-245, IRL Pres	roved sensitivity of biological ss (1990)	seque	nce data	abase search	es," Comp. A	Αрр.
A	AS Copeland, R.A., "Cooperativity in Enzyme Catalysis," in Enzymes. A Practical Introduction to Structure, Mechanism, and Data Analysis, pages 279-296, Wiley-VCH, New York (1996).										
A	AT 2 Cremer, J. et al., "Control of the Lysine Biosynthesis Sequence in Corynebacterium glutamicum as Analyzed by Overexpression of the Individual Corresponding Genes," Appl. Environ. Microbiol. 57:1746-1752, American Society for Microbiology (1991).) as		
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APPLICATION NO. ATTY. DOCKET NO. 1533.1030002/SRL/SEZ 09/722,441 APPLICANT

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sk	AA3	5,726	,299	03/10/1998	Zupancic et al.	536	24.1	08/01/1994
1 .	AB3	5,759	,828	06/02/1998	Tal et al.	435	172.3	09/20/1994
	AC3	5,766	,925	06/16/1998	Sugimoto et al.	435	252.32	10/08/1996
•	AD3	5,773	3,691	06/30/1998	Falco et al.	800	205	06/07/1995
	AE3	5,846	5,790	12/08/1998	Kimura et al.	435	110	02/18/1997
	AF3	5,888	3,783	03/30/1999	Tomita et al.	435	115	02/28/1997
	. AG3	5,919	7,670	07/06/1999	Okamoto et al.	435	106	06/18/1998
	AH3	5,965	5,391	10/12/1999	Reinscheid et al.	435	69.1	05/08/1997
	AI3	6,004	4,773	12/21/1999	Araki et al.	435	41	12/05/1997
	AJ3		7,920	02/22/2000	Joliff et al.	435	69.7	07/31/1995
1/	AK3		7,299	05/02/2000	Henderson	514	44	09/27/1996
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Sk	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) AR Cremer, J. et al., "Regulation of enzymes of lysine biosynthesis in Corynebacterium glutamicum," J. Gen. Microbiol. 134:3221-3229, Cambridge University Press (1988).							
AK	AS 3 Follettie, M. et al., "Gene Structure and Expression of the Corynebacterium flavum N13 ask-asd Operon," J. Bacteriol. 175:4096-4103, American Society for Microbiology (1993).							
AK	Jobling, M.G. and Homes, R.K., "Construction of vectors with the p15a replicon, kanamycin resistance, inducible lacZa and pUC18 or pUC19 multiple cloning sites," Nucleic Acids Res. 18:5315-5316, Oxford University Press (1990).							
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ITIAL	AA4	6,090		07/18/2000	Hirano et al.	435	115	05/07/1997
ALL	AB4	5,605		02/25/1997	Stemmer, W.P.C.	435	6.	02/17/1994
	AC4	5,643		07/01/1997	Morinaga et al.	435	252.3	02/16/1995
	AD4	5,591		01/07/1997	Tsuchiya et al.	435	6	05/20/1994
	AE4	5,597		01/28/1997	Kohama et al.	435	252.32	05/18/1994
	AF4	4,710		12/01/1987	Katsumata et al.	435	253	11/05/1984
	AG4	4,757		07/12/1988	Sano et al.	435	106	08/28/1984
		4,778		10/18/1988	Miwa et al.	435	320	10/18/1982
	AH4	4,822		04/18/1989	Miwa et al.	435	252.3	12/21/1987
	AJ4	1	5,050	06/20/1995	Morinaga et al.	435	252.32	12/16/1993
	_	4,340		08/24/1982	Sano et al.	435	115	07/23/1980
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SK	AR	4	Kleemann, pp. 57-97,	A. et al., "Am Weinham: VCK-	ino Acids," in <i>Ullmann's En</i> Verlasgsgesellschaft (1985)	ncyclopedia of Indu	ustrial Chemi:	stry, Vol. A2,
М	Liebl, W. et al., "Transfer of Brevibacterium divaricatum DSM 20297 ^T , 'Brevibacterium flavum' DSM 20412 and DSM 1412, and Corynebacterium lilium DSM 20411, 'Brevibacterium lactofermentum' DSM 20412 and DSM 1412, and Corynebacterium lilium DSM 20137 [†] to Corynebacterium glutamicum and Their Distinction by rRNA Gene Restriction Patterns," Int. J. Syst. Bacteriol. 41:255-260, International Union of Microbiological Societies (1991).							
SK	AT	4	Lonsdale, Mol. Biol.	D.M. et al., 1 Rep. 13:343-3	PPFC1 to pFC7: A Novel Fami 645, Kluwer Academic Publis	ly of Combinatoria hers (1995).	l Cloning Vec	tors," Plant
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MITIAL	AA5		9,160	12/18/1984	Katsumata et al.	435	253	08/24/1982
	AB5	+	0,640	02/19/1985	Katsumata et al.	435	253	04/13/1982
	AC5	 -	4,502	04/30/1985	Miwa et al.	435	253	06/10/1982
	AD5		9,308	12/17/1985	Nutter et al.	435	317	01/27/1983
	AE5		7,267	10/14/1986	Katsumata et al.	435	91	01/25/1984
	AF5	$\overline{}$	9,221	07/27/1999	Kimura et al.	536	23.1	08/22/1996
	AG5		4,231	11/10/1998	Stoddard et al.	435	42	10/24/1996
	AH5		9,075	05/25/1976	Inuzuka et al.	195	29	07/15/1975
	AI5		9,694	07/06/1999	Sugimoto et al.	435	252.33	11/10/1997
	AJ5		6,983	03/02/1999	Sugimoto et al.	435	106	04/29/1996
-\/	AK5		4,414	09/08/1998	Moriya et al.	435	69.1	07/01/1996
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SK	AS	5	Marcel, T. Corynebacte Publication	rium glutamicu	otide sequence and organia π lysA gene," Mol. Microb	zation of the upstre iology 4:1819-1830,	am region of Blackwell Sc	the ientific
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INITIAL	<u> </u>		ENT NUMBER	DATE	NAME	47	57.6	06/30/1994
AK	AA6	5,640		06/24/1997	Kloepper et al.	435	172.3	11/04/1994
	AB6	5,633		05/27/1997		435	106	09/23/1994
	AC6	5,556		09/17/1996	Tsuchiya et al. Kawasaki et al.	435	170	09/08/1994
	AD6	5,547		08/20/1996	Katsumata et al.	435	106	12/28/1990
	AE6	5,498		03/12/1996 .	Schaefer et al.	435	172.3	03/18/1993
	AF6	5,380		01/10/1995	 	435	320.1	03/13/1990
	AG6	5,158		10/27/1992	Takeda et al.	435	114	04/07/1989
	AH6	5,034	,319	07/23/1991	Azuma et al.	435	108	03/22/1990
	AI6	5,034	,318	07/23/1991	Miwa et al.	435	115	06/15/1983
	AJ6	4,601		07/22/1986	Nakamori et al.	435	115	07/14/1999
Ą	AK6	6,200	,785 B1	03/13/2001	Kreutzer et al.	433	1112	0171471777
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Sla	AR	Oguiza, J.A. et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of Oguiza, J.A. et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of Oguiza, J.A. et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of Oguiza, J.A. et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of Oguiza, J.A. et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of Oguiza, J.A. et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of Oguiza, J.A. et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of Oguiza, J.A. et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of Oguiza, J.A. et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of Oguiza, J.A. et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of Oguiza, J.A. et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of Oguiza, J.A. et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of Oguiza, J.A. et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of Oguiza, J.A. et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of Oguiza, "A Gene Encoding Arginyl-transformation" of Oguiza, "A Gene Encoding Arginyl-tra						
SK	AS	Pátek, M. et al., "Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif," <i>Microbiology 142</i> :1297-1309, SGM (1996).						
SK	Pátek, M. et al., "Identification and transcriptional analysis of the dap8-ORF2-dapA-ORF4 operon of Corynebacterium glutamicum, encoding two enzymes involved in L-lysine synthesis," Biotechnol. Lett. 19:1113-1117, Chapman & Hall (November 1997).							
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sh	Record, M.T. et al., "Escherichia coli RNA Polymerase (Ed"), Promoters, and the Kinetics of the Steps of Transcription Initiation," in Escherichia coli and Salmonella: Cellular and Molecular Biology, American Society for Microbiology Press, pp. 792-821 (1996).							
АК	Reinscheid, D.J. et al., "Cloning, sequence analysis, expression and inactivation of the Corynebacterium glutamicum pta-ack operon encoding phophotransacetylase and acetate kinase," Microbiology 145:503-513, Society for General Microbiology (February 1999).							
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Schäfer, A. et al., "Small mobilizable multi-purpose cloning vectors derived from the Esc coli plasmids pK18 and pK19: selection of defined deletions in the chromosome of Coryneba glutamicum," Gene 145:69-73, Elsevier Science B.V. (1994).						the Escherich Corynebacteriu		
Van Walsem, H.J. and Thompson, M.C., "Simulated moving bed in the production of lysine," J. Biotechnol. 59:127-132, Elsevier Science B.V. (1997).							lysine," J.	
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Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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